

INTERACTIONS WITHIN AN ECOSYSTEM DATA /WRITE UP FORM

SCORING RUBRIC/PEER REVIEW FORM

Name_____ Date_____ Period_____ Score _____

1. Pre-lab observations: Any feasible observations related to carbon dioxide indication by use of Bromthymol blue, biological relationships, etc. **2 points**
2. Formulate a problem: problem posed as a question. **1 point**
3. Formulate a hypothesis: testable hypothesis based upon observation and experiences. **1 point**
4. List of materials: all materials listed that are necessary to complete the investigation. **1 point**
5. Step-by-step procedure:
 - Independent variable present. **1 point**
 - Dependent variable present. **1 point**
 - Clearly stated control situation **1 point**
 - Variables/constants controlled **1 point**
 - Logical sequence of steps **1 point**
 - Clear diagram of apparatus **1 point**
6. Data table includes space for recording each item of data in a logical arrangement. **1 point**
7. Analysis/interpretation of results in the form of graphs/tables/charts. **2 points**
8. Experimental data support, contradict or do not support the hypothesis. **1 point**
9. Abstract of findings reported in clear, understandable fashion without bias. **10 points**

INCLUDE THE FOLLOWING IN YOUR LOGBOOK:

1. Pre-lab observations:

2. Formulate a problem:

3. Formulate a hypothesis:

4. List materials needed to test hypothesis:

5. Design a step-by-step procedure. Include:

The independent variable

The dependent variable

A control (the variables that need to be controlled/kept constant)

Sequence of steps

Diagram of apparatus

6. Data

7. Analysis/interpretation of results in the form of graphs/tables or charts

8. Conclusion

9. Abstract of findings to be reported to other teams